

INDEX TO VOLUME 82 (1996)

AUTHORS

- Ally, J.R.R.: see Love, Brooks, and Ally.
- Anderson, S.D. and K.J. Goldman: Photographic evidence of white shark movements in California waters, 182-186.
- Baker, D.C.: see Orr and Baker.
- Bibles, E.L.: see Logan, Bibles, and Markle.
- Brooks, A.: see Love, Brooks, and Ally.
- Chesemore, D.L.: see Laurendine, Morton, and Chesemore.
- Chess, J.R.: see Hobson, Chess, and Howard.
- Cordone, A.J.: see Frantz and Cordone.
- Crawford, J.A.: see Ottomeier and Crawford.
- Cull, R.: see Roberts, Cull, and Flannery.
- Cypher, B. L., K.A. Spencer, and J.H. Scrivner: Use of food items by sex and age classes of coyotes, 42-47.
- Domeier, M.: see Morris, Domeier, and Stephens.
- Dice, J.C.: see Shaffer and Dice
- Evens, J.G.: see Kelly, Evens, Stallcup, and Wimpfheimer.
- Fitts, K.M.: Observations on the use of two non-native plants by the Point Arena mountain beaver, 59-60.
- Flannery, A.: see Roberts, Cull, and Flannery.
- Frantz, T.C. and A.J. Cordone: Observations on the macrobenthos of Lake Tahoe, California-Nevada, 1-41.
- Gingras, M.L., D.A.Ventresca, and D.S. Short: A boat-mounted system to synoptically record vessel position and sea-surface temperature, 97-100.
- Goldman, K.J.: see Anderson and Goldman.
- Gonzalez-Guzman, S.: see Ruiz-Campos and Gonzalez-Guzman.
- Hacker, P.L.: see Taniguchi and Hacker.
- Hanni, K.: see Morgan, Hanni, and Lowenstine.
- Hobson, E.S., J.R. Chess, and D.F. Howard: Zooplankters consumed by blue rockfish during brief access to a current off California's Sonoma coast, 87-92.
- Howard, D.F.: see Hobson, Chess, and Howard.
- Jennings, M.R.: Past occurrence of eulachon, *Thaleichthys pacificus*, in streams tributary to Humboldt Bay, California, 147-148.
- Kelly, J.P., J.G. Evens, R.W. Stallcup, and D. Wimpfheimer: Effects of aquaculture on habitat use by wintering shorebirds in Tomales Bay, California, 160-174.
- Laurendine, W.E., M.L. Morton, and D.L. Chesemore: Occurrence of porcupines along the San Joaquin River, Fresno and Madera counties, California, 101-102.
- Logan, D.J., E.L. Bibles, and D.F. Markle: Recent collections of exotic aquarium fishes in the freshwaters of Oregon and thermal tolerance of oriental weatherfish and pirapatinga, 66-80.
- Long, D.J.: First confirmed record of teleost predation on a shark egg case, 103-104.
- Long, D.J.: Pacific Fat Sleeper, *Dormitator latifrons* (Perciformes:Eleotrididae), from Lake Merritt, San Francisco Bay, California, 192-194.
- Love, M.S., A. Brooks, and J.R. Raymond Ally: An analysis of commercial passenger fishing vessel fisheries for kelp bass and barred sand bass in the Southern California Bight, 105-121.

- Lowenstine, L.: see Morgan, Hanni, and Lowenstine.
- Markle, D.F.: see Logan, Bibles, and Markle.
- Merz, J.E. and C.D. Vanicek: Comparative feeding habits of juvenile chinook salmon, steelhead, and Sacramento squawfish in the lower American River, California, 149-159.
- Miller, M.R. and G.D. Wylie: Preliminary estimate of rice present in strip-harvested fields in the Sacramento Valley, California, 187-191.
- Miller, T.W.: First record of the green crab, *Carcinus maenas*, in Humboldt Bay, California, 93-96.
- Morgan, L., K. Hanni, and L. Lowenstine: Age and pathological findings for two female Steller sea lions stranded on the northern California coast, 81-86.
- Morris, P.A., M. Domeier, and J. Stephens, Jr.: Notes on the occurrence and depth distribution of the bat ray in the Southern California Bight, with comments on the effect of trawl size on estimates of abundance, 48-53.
- Morton, M.L.: see Laurendine, Morton, and Chesemore.
- Orr, J.W. and D.C. Baker: Southern range extension of the harlequin rockfish, *Sebastes variegatus* (Scorpaenidae), 133-136.
- Ottomeier, A.A. and J.A. Crawford: Revised measurements for classification of age of sage grouse from wings, 61-65.
- Raquel, P.F.: Comparison of juvenile chinook salmon catches in a pushnet and midwater trawl, 54-58.
- Roberts, T.A., R. Cull, and A. Flannery: Distribution of nesting greater sandhill cranes in the South Fork Pit River Valley, Modoc County, California, 137-140.
- Ruiz-Campos, G. and S. Gonzalez-Guzman: First freshwater record of Pacific lamprey, *Lampetra tridentata*, from Baja California, Mexico, 144-146.
- Scrivner, J.H.: see Cypher, Spencer, and Scrivner.
- Shaffer, K. and J.C. Dice: Book review: Brushfires in California: Ecology and resource management, 197-198.
- Short, D.S.: see Gingras, Ventresca, and Short.
- Spencer, K.A.: see Cypher, Spencer, and Scrivner.
- Stallcup, R.W.: see Kelly, Evens, and Stallcup.
- Stephens, J.H., Jr.: see Morris, Domeier, and Stephens.
- Taniguchi, I.K. and P. L. Haaker: A red abalone tag return after 16 years at liberty, 141-143.
- Taylor, T.J.: Condition and reproductive performance of female mule deer in the central Sierra Nevada, 122-132.
- Vanicek, C.D.: see Merz and Vanicek.
- Ventresca, D.A.: see Gingras, Ventresca, and Short.
- Villavicencio-Garayzar, C.J.: The ragged-tooth shark, *Odontaspis ferox* (Risso, 1810), in the Gulf of California, 195-196.
- Weckerly, F.W.: Roosevelt elk along the Prairie Creek drainage: An evaluation of estimating abundance and herd composition, 175-181.
- Wimpfheimer, D.: see Kelly, Evens, Stallcup, and Wimpfheimer.
- Wylie, G.D.: see Miller and Wylie.

SUBJECT

- Abalone, red: tag return, 141-143.
- Abundance estimates:
- of bat rays, 48-53.
 - of sandhill cranes, 137-140.
 - of Roosevelt elk, 175-181.

- Aging techniques: of sage grouse, 61-65.
Aquarium fishes, exotic: in Oregon, 66-80.
Ballast water: as means of introduction, 193.
Bass, kelp: fishery, 105-121.
Bass, barred sand: fishery, 105-121.
Beaver, mountain: use of non-native plants, 59-60.
Book review, 197-198.
Condition: of mule deer, 122-132.
Coyotes: food habits of, 42-47.
Crab, green: first record in Humboldt Bay, 93-96.
Crane, greater sandhill: nesting distribution of, 137-140.
Deer, mule: condition and reproductive performance of, 122-132.
Elk, Roosevelt: census of, 175-181.
Eulachon: in Humboldt Bay, 147-148.
Exotic species: introduction of, 66-80, 93-96, 192-194.
Fishery, sport: kelp bass and barred sand bass, 105-121.
Food habits:
 of blue rockfish, 87-92.
 of coyotes, 42-47.
 of juvenile chinook salmon, 149-159.
 of juvenile Sacramento squawfish, 149-159.
 of juvenile steelhead, 149-159.
 of mountain beaver, 59-60.
 Grouse, sage: revised age classification of, 61-65.
Identification: of white sharks by photographs, 182-186.
Lake Tahoe: macrobenthos of, 1-41.
Lamprey, Pacific: range extension of, 144-146.
Macrobenthos: of Lake Tahoe, 1-41.
Midwater trawl: comparison with pushnet, 54-58.
Pirapatinga: collection and thermal tolerance of, 66-80.
Porcupines: occurrence of, 101-102.
Pushnet: comparison with midwater trawl, 54-58.
Range extension:
 of harlequin rockfish, 133-136.
 of Pacific fat sleeper, 192-194.
 of Pacific lamprey, 144-146.
 of ragged-tooth shark, 195-196.
Ray, bat: depth distribution in Southern California Bight, 48-53.
Reproduction: of mule deer, 122-132.
Rice: as food for waterfowl, 187-191.
Rockfish, blue: food habits of, 87-92.
Rockfish, harlequin: range extension of, 133-136.
Salmon, juvenile chinook:
 fishing gear for, 54-58.
 food habits of, 149-159.
Sea lion, Steller: age and pathology of two stranded females, 81-86.
Shark egg case: and teleost predation on, 103-104.
Shark, ragged-tooth: range extension of, 195-196.

Shark, white:

photographic identification, 182-186.

movements, 182-186.

Shorebirds: effect of aquaculture on, 160-174.

Sleeper, Pacific fat: introduction of, 192-194.

Squawfish, juvenile Sacramento: food habits of, 149-159.

Steelhead, juvenile: food habits of, 149-159.

Strip harvesting of rice: effects on waterfowl, 187-191.

Tagging: of red abalone, 141-143.

Temperature, sea surface and vessel position: synoptical recording of, 97-102.

Thermal tolerance: of pirapatinga and oriental weatherfish, 66-80.

Waterfowl: feeding on rice, 187-191.

Weatherfish, Oriental: collection and thermal tolerance of, 66-80.

Zooplankters: as food for blue rockfish, 87-92.

SCIENTIFIC NAMES

Ablabesmyia monilis, 15, 25.

Acanthocyclops vernalis, 14, 19, 20.

Acanthogobius flavimanus, 193.

Acroneuria sp., 15, 22.

Acroperus harpae, 14, 18, 19.

Aeolosoma, 18.

Agabus disintegratus, 15.

Alaimus, 17.

Alciopod sp., 89.

Alloperla, 23.

Alona affinis, 14, 18, 19.

Alona quadrangularis, 14, 18.

Alosa sapidissima, 150.

Ameiurus globosus, 69.

Ameletus, 23.

Ammospermophilus nelsoni, 44.

Amnophila arenaria, 60.

Anoplopoma fimbriata, 108.

Aplodontia rufa nigra, 59-60.

Apristurus brunneus, 103.

Apsectrotanypus, 15.

Apsectrotanypus florens, 25.

Arcteonais lomondi, 14, 17.

Arenaria interpres, 164.

Arenaria melanocephala, 164.

Artemisia sp., 123.

Atriplex polycarpa, 43.

Atritibia sp., 25.

Aurelia, 87.

Baetis, 23.

Beroe, 87.

Beroe cucumis, 89.

Bolinopsis, 87.

Bosmina coregonii, 19.

Bosmina longirostris, 14, 18, 31.

Breviseta, 18.

Bryocamptus zschokkei, 20.

Caenis, 23.

Calanus pacificus, 90.

Calidris alba, 163.

Calidris alpina, 160, 174.

Calidris mauri, 160, 163.

Calidris minutilla, 163.

Callibaetis sp., 15, 23.

Camptocercus rectirostris, 14, 18.

Cancer magister, 94.

Candona tahoensis, 14, 19.

Canis latrans, 42-47.

Capnia, 23.

Capnia lacustra, 15, 22.

Capnia tahoensis, 22.

Caranaria japonicua, 88, 89.

Carcharodon carcharias, 182-186.

Carcinus maenas, 93-96.

Carinifex, 27.

Carinifex newberryi, 26, 27.

Carpobrotus edulis, 59.

Catoptrophorus semipalmatus, 160, 163.

Catostomus occidentalis, 150.

Caulolatilus princeps, 108.

Centrocercus urophasianus, 61.

Centropitilum sp., 15, 23.

Cervus elephus roosevelti, 175-181.

Chara, 22, 28, 30.

- Chara delicatula*, 30.
Chironomus sp., 25.
Choroterpes sp., 15, 23.
Chydorus latus, 14, 18.
Chydorus sphaericus, 14, 18, 19.
Cinygmula, 23.
Cladotanytarsus spp., 16, 25.
Clinostomum complanatum, 76.
Cliona celata californiana, 141-142.
Cobbonchus pounamua, 14, 16.
Colossoma macropomum, 70, 71.
Colossoma nigripinnis, 77.
Colymbetes rugipennis, 15, 24.
Conchapelopia sp., 15, 25.
Corolla, 87.
Corolla spectabilis, 88, 89.
Cottus asper, 69, 150.
Crangonyx sp., 21.
Craspedacusta sowerbyi, 13.
Crassostrea gigas, 94, 160.
Cryptochironomus fulvus, 15, 25.
Cyclops vernalis, 19.
Cyprinus carpio, 69.
Daphnia hyalina richardi, 19.
Daphnia longispina var. *hyalina*,
 form *richardi*, 19.
Daphnia pulex, 14, 18, 19, 31.
Daphnia pulex var. *pulicaria*, 18.
Daphnia pulicaria, 19.
Daphnia rosea, 14, 18, 19, 31.
Dendrocoelopsis hymanae, 13, 14, 16.
Diaptomus tyrrelli, 19, 20.
Dicrotendipes modestus, 25.
Dipodomys heermanni, 43.
Dipodomys nitratoides, 43.
Dormitator latifrons, 192-194.
Dorylaimus, 17.
Drepanocladus, 30.
Drepanothrix dentata, 14, 18, 19.
Echinorhinus cooki, 104.
Echinostoma cinetorchis, 76.
Echinostoma hortense, 76.
Eiseniella, 18.
Eleodes, 44.
Endochironomus nigricans, 15, 25.
Ephemera, 23.
Epischura nevadensis, 2, 14, 19, 20.
Erethizon dorsatum, 101-102.
Erpobdella punctata, 14, 18.
Erpobdella punctata punctata, 18.
Eucalanus californicus, 90.
Eumeces, 44.
Eumetopias jubatus, 81-86, 104.
Eurycercus lamellatus, 14, 18, 19.
Eutonia indicans, 90.
Falco peregrinus, 170.
Ferrissia fragilis, 16, 26.
Fontinalis, 30.
Fossaria bulimoides, 16.
Galba bulimoides, 26.
Gambusia affinis, 76.
Gastromermis sp., 14, 17.
Genyonemus lineatus, 108.
Geococcyx californianus, 44.
Gila bicolor, 18.
Gomphus confraternus, 23.
Gomphus donneri, 23.
Gomphus kurlis, 15, 23.
Gomphus sobrinus, 23.
Grus canadensis tabida, 137-140.
Gyraulus, 27.
Gyraulus vermicularis, 27.
Haliotis rufescens, 141-143.
Haplontaxis sp., 14, 17.
Helisoma newberri, 16.
Helobdella stagnalis, 14, 18.
Hemigrapsus spp., 94.
Henlea, 18.
Heptagenia sp., 15, 23.
Herpetocyris, 19.
Hesperophylax, 24.
Heterodontus francisci, 103.
Heterotrissocladius oliveri, 15, 25, 27.
Hexagenia, 28.
Hexagrammus decagrammus, 103.
Holmesymysis costata, 89.
Hyaella azteca, 14, 20, 21, 36, 37, 39, 40.
Hyaella inermis, 20.
Hydra sp., 13.
Hydromermis sp., 14, 17.
Hydroporus striatellus, 15.
Hydroptila sp., 15, 24.
Hydrovolzia sp., 15, 21.
Hygrobates sp., 15, 21.
Hymenoclea salsola, 43.
Hyperocha sp., 89, 91.
Hypomesus pretiosus, 148.
Hysteroecarpus traski, 150.

- Illinobdella moorei*, 18.
Ilyocryptus acutifrons, 14, 18, 19.
Ilyocryptus sordidus, 19.
Ilyodrilus sp., 18.
Ilyodrilus frantzi typica, 14, 17.
Iotonchus, 17.
Ironodes, 23.
Isomeris arborea, 43.
Kincaidiana freidris, 14, 17.
Laccobius ellipticus, 15.
Lampetra tridentata, 144-146, 150.
Larus californicus, 163.
Larus canus, 163.
Larus delawarensis, 163.
Larus glaucescens, 163.
Larus occidentalis, 163.
Latona setifera, 14, 18.
Lebertia sp., 15, 21, 22.
Lepomis macrochirus, 69.
Leptodiaptomus tyrrelli, 14, 19, 20.
Leptophlebia, 23.
Lepus californicus, 43.
Lethocerus americanus, 24.
Limicina helicina, 89.
Limnephilus sp., 15, 24.
Limnesia sp., 15, 21.
Limnochares, 22.
Limnocythere, 19.
Limnodrilus, 18.
Limnodrilus hoffmeisteri, 14, 17.
Limnodromus griseus, 164.
Limnodromus scolopaceus, 164.
Limosa fedoa, 163.
Littoridina, 26.
Lophortyx californicus, 44.
Lumbriculus, 18.
Lymnaea sp., 27.
Lymnaea bulimoides, 26, 27.
Lymnaea stagnalis wasatchensis, 27.
Macrocyclus albidus, 14, 19, 20.
Macrothrix, 19.
Malus, 44.
Margaritifera falcata, 26.
Margaritifera margaritifera, 26.
Martes pennanti, 45.
Medialuna californiensis, 108.
Menetus sp., 27.
Merluccius productus, 144.
Mesocyclops sp., 20.
Metriocnemus lundbecki, 25.
Micropterus salmoides, 69.
Mirounga angustirostris, 104, 182.
Misgurnus anguillicaudatus, 66, 68.
Misgurnus mizolepis, 66-68.
Monochus, 17.
Monodiamesa bathyphila, 15, 25.
Morone saxatilis, 150.
Morus, 44.
Muggiaea atlantica, 89, 90.
Mus musculus, 44.
Musculium, 25, 26.
Mustela frenata, 44.
Mya arenaria, 94.
Myliobatis californica, 48-53.
Mysis relicta, 4, 5, 31.
Mystacides, 24.
Mytilus sp., 94.
Myzobdella lugubris, 18.
Naidium, 18.
Nemoura sp., 15, 22.
Nereocystis, 89.
Nereocystis leutkeana, 87.
Ochrotrichia, 24.
Octopus sp., 103.
Odocoileus hemionus, 44.
Odocoileus hemionus hemionus, 122-132.
Odontaspis ferox, 195.
Odontaspis taurus, 195.
Oncorhynchus kisutch, 69.
Oncorhynchus mykiss, 69, 144, 149-159.
Oncorhynchus nerka, 5.
Oncorhynchus tshawytscha, 54-58, 149-159.
Orthocladus obumbratus, 15, 25.
Oxyethira, 24.
Pacifasticus leniusculus, 4.
Palpomyia sp., 15, 25.
Paracladopelma sp., 15, 25.
Paracladopelma nais, 15, 25.
Paralabrax clathratus, 105-121.
Paralabrax nebulifer, 105-121.
Paraleptophlebia spp., 15, 23.
Parapholyx, 27.
Parapholyx effusa, 26, 27.
Paratrachocladus sp., 15, 25.
Pelosclex, 18.
Perognathus inornatus, 44.
Peromyscus maniculatus, 44.
Phaenopsectra sp., 25.

- Phaenopsectra profusa*, 15, 25.
Phagocata nivea tahoena, 13.
Phagocata tahoena, 14, 16.
Phoca vitulina, 184.
Physa virgata, 26, 27.
Physella virgata, 16, 26.
Piaractus brachypomus, 66, 70, 71, 72.
Piaractus mesopotamicus, 66, 71, 72.
Pimephales promelas, 70.
Pinus monophylla, 123.
Piona sp., 15, 21, 22.
Pisidium sp., 16, 25, 26.
Pituophis melanoleucus, 44.
Planaria, 16.
Pleurobrachia, 87.
Pleuroxus denticulatus, 14, 18.
Pluvialis squatarola, 163.
Polycentropus, 24.
Polypedium parascalaenum, 15, 25.
Polypedium scalaenum, 15, 25.
Pompholyx effusa, 27.
Populus sp., 101.
Porphyra sp., 89.
Potamanthus, 23.
Prionobutis koilomatodon, 193.
Pristina, 18.
Procladius sp., 25.
Proneomysis walesi, 89, 91.
Prosopium williamsoni, 69.
Prunus persica, 44.
Pseudochironomus pseudoviridis, 15, 25.
Pseudodiamesa pertinax, 15, 25.
Psilotanytus bellus, 15, 25.
Psychomyia, 24.
Ptychocheilus grandis, 149-159.
Ptychocheilus oregonensis, 69.
Purshia sp., 123.
Quercus douglasii, 101.
Rheotanytarsus sp., 16, 25.
Rhyacodrilus brevidentatus, 14, 17.
Rhyacodrilus sodalis, 14, 17.
Rhynchelmis, 18.
Rhynchelmis rostrata, 14, 17.
Rhynchoscolex, 16.
Salix sp., 101.
Salpa fusiformis, 89.
Salvelinus namaycush, 4.
Sapphirina sp., 90.
Sarda chiliensis, 108.
Scomber japonicus, 108.
Scorpaena guttata, 109.
Scyliorhinus retifer, 103.
Sebastes babcocki, 135.
Sebastes crameri, 135.
Sebastes diploproa, 135.
Sebastes goodei, 108.
Sebastes miniatus, 108.
Sebastes mystinus, 87-92, 108.
Sebastes paucispinis, 108.
Sebastes serranoides, 108.
Sebastes variegatus, 133-136.
Sebastes zacentrus, 134.
Semicossyphus pulcher, 103.
Seriola lalandi, 106.
Serrasalmus humeralis, 76.
Serrasalmus rhombeus, 76.
Sialis californica, 24.
Sialis occidentis, 24.
Simocephalus serrulatus, 14, 18.
Siphonurus sp., 15.
Spermophilus beecheyi, 44.
Sphyræna argentea, 108.
Spirinchus starksi, 148.
Spirinchus thaleichthys, 147.
Spirosperma beetoni, 14, 17.
Spongilla lacustris, 13.
Stephanomia, 87.
Stephanomia bijuga, 89, 90.
Stictochironomus sp., 15, 25.
Sturnella neglecta, 44.
Stygobromus, 7, 28, 36, 37, 39, 40.
Stygobromus hubbsi, 20.
Stygobromus laticolus, 15, 20, 21.
Stygobromus tahoensis, 14, 20, 21.
Sylvilagus audubonii, 43.
Tanytarsus sp., 16, 25.
Tanytarsus guerlus, 16, 25.
Thaleichthys pacificus, 147-148.
Thalia democratica, 88-90.
Thomomys bottae, 44.
Tomopterus sp., 88, 89.
Tricorythodes, 23.
Tricorythodes fallax, 15.
Tridentiger bifasciatus, 193.
Tridentiger trigonocephalus, 193.
Trilobus, 17.
Tringa melanoleuca, 164.
Triphyla, 17.

- Tropisternus ellipticus*, 15.
Uncinaiis uncinata, 14, 17.
Uta stansburiana, 44.
Utacapnia tahoensis, 15, 22, 23.
Valvata humeralis californica, 27.
Varichaetadrilus minutus, 14, 17.
Venerupis philippinarum, 94.
Vibilia sp., 89, 91.
Vitis, 44.
Vorticifex effusus, 16, 26.
Vulpes macrotis mutica, 43.
Xironogiton, 18.
Zalophus californicus, 84.

